

Substitute Form PTO-1449  
(modified)U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.

17950-020001

Application No.

10/040,373

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.95(b))

Applicant

Paul Brazhnik et al.

Filing Date

January 9, 2002

Group Art Unit

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
DS	32	2002/0091666	11-Jul-2002	Rice et al.			
DS	33	2003/0009099	9-Jan-2003	Lett et al.			
DS	34	2003/0018457	23-Jan-2003	Lett et al.			
DS	35	2003/0033127	13-Feb-2003	Lett			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
DS	36	01/57775	9-Aug-2001	WO				
DS	37	01/98935	27-Dec-2001	WO				
DS	38	02/44992	6-Jun-2002	WO				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document

Examiner Signature

David Silver

Date Considered

7/20/05

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/040,373
		Filing Date	January 9, 2002
		First Named Inventor	Brazhnik
		Group Art Unit	2671
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	ENTL-005/01US	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		

RECEIVED  
MAY 22 2002  
Technology Center 2600

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
DS	26	NAITO, A Simulation Model of Diabetes Using E-Cell System, Genome Informatics, December 13, 2001 12:310-311	

Examiner Signature	David Silver	Date Considered	7/20/05
-----------------------	--------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant



Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/040,373		
		Filing Date	January 9, 2002		
		First Named Inventor	Brazhnik		
		Group Art Unit	2671		
Sheet	1	of	1	Examiner Name	
				Attorney Docket Number	ENTL-005/01 US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
bs	27	6,167,362		Brown et al.	12-26-2000
bs	28	6,246,957 B1		Rivonelli et al.	06-12-2001

RECEIVED

DEC 23 2002

Technology Center 2600

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

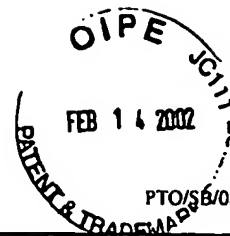
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T

Examiner Signature	David Silver	Date Considered	7/20/05
-----------------------	--------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Please type a plus sign (+) inside this box →

+



PTO/S&O/08A (08-00)

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/040,373	
			Filing Date	January 9, 2002	
			First Named Inventor	Paul BRAZHNİK et al.	
			Group Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	1	of	2	Attorney Docket Number	ENTL005/01US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
DS	1	6,233,539	B1	Brown	05-15-2001
DS	2	6,108,635		Herren et al.	08-22-2000
DS	3	6,078,739		Paterson et al.	06-20-2000
DS	4	6,069,629		Paterson et al.	05-30-2000
DS	5	6,051,029		Paterson et al.	04-18-2000
DS	6	5,980,096		Thalhammer-Reyero	11-09-1999
DS	7	5,956,501		Brown	09-21-1999
DS	8	5,947,899		Winslow et al.	09-07-1999
DS	9	5,930,154		Thalhammer-Reyero	07-27-1999
DS	10	5,914,891		McAdams et al.	06-22-1999
DS	11	5,808,918		Fink et al.	09-15-1998
DS	12	5,657,255		Fink et al.	08-12-1997

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
DS	13	WO	00/65523		Winslow et al.	11-02-2000
DS	14	WO	00/63793		Paterson et al.	10-26-2000
DS	15	WO	99/27443		Paterson et al.	06-03-1999

Examiner Signature	David Silver	Date Considered	7/20/05
--------------------	--------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/040,373
				Filing Date	January 9, 2002
				First Named Inventor	Paul BRAZHNİK et al.
				Group Art Unit	Unassigned
Examiner Name	Unassigned				
Sheet	2	of	2	Attorney Docket Number	ENTL005/01 US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
DS	16	AIDA on-line, <a href="http://www.shodor.org/cgi-bin/insulin/WEB.pl">www.shodor.org/cgi-bin/insulin/WEB.pl</a> , pp. 1-2		
DS	17	Welcome to AIDA, <a href="http://www.2aida.org/aida/intro.htm">www.2aida.org/aida/intro.htm</a> , pp. 1-4		
DS	18	AIDA Technical Guide, <a href="http://www.2aida.org/aida/technical.htm">www.2aida.org/aida/technical.htm</a> , pp. 1-21		
DS	19	"Dynamics of blood glucose and its regulating hormones," D. G. CRAMP et al., page 170-201		
DS	20	"An Integrated Mathematical Model of the Dynamics of Blood Glucose and Its Hormonal Control," C. COBELLI et al., <i>Mathematical Biosciences</i> , Vol. 58, No. 1, February 1982, pp. 27-60		
DS	21	"A Model of Glucose-insulin Homeostasis in Man that Incorporates the Heterogeneous Fast Pool Theory of Pancreatic Insulin Release," J.R. GUYTON et al., <i>Diabetes</i> , Vol. 27, No. 10, October 1978, pp. 1027-1042		
DS	22	"A Mathematical Model for the Control Mechanism of Free Fatty Acid-Glucose Metabolism in Normal Humans," R. SRINIVASAN et al., <i>Computers and Biomedical Research</i> (1970), 3, pp. 146-166		
DS	23	"Modeling and Control Aspects of Glucose Homeostasis," by W.P. CHARETTE et al., <i>Mathematical Bio-sciences</i> , Supplement 1, Hormonal Control Systems (1969) pp. 115-149		
DS	24	"A Systems Model of Blood Glucose Control," by Ewart R. CARSON et al., <i>International Journal of Bio-Medical Computing</i> , 1976, pp. 21-34		
DS	25	"What if Minkowski Had Been Ageusic? An Alternative Angle on Diabetes," by J. Denis MCGARRY, <i>Science</i> , Vol. 258, 30 October 1992, pp. 766-770		

Examiner Signature	David Silver	Date Considered	7/20/05
--------------------	--------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →

+



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/040,373		
		Filing Date	January 9, 2002		
		First Named Inventor	Brazhnik		
		Group Art Unit	2671		
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	ENTL-005/01 US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
DS	29	2003/0087285	A1	Chow, Carson C. et al.	05-08-2003

RECEIVED

APR 22 2004

Technology Center 2600

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
PS	30	DULLENS et al., "A Survey of some formal models in tumor immunology", Cancer Immunology Immunotherapy (1986) 23:159-164	
PS	31	LOOK et al., "Computer simulation of the cellular immune response to malignant lymphoid cells: logic of approach, model design and laboratory verification", Immunology (1981) 43:677-690	

Examiner Signature	David Silver	Date Considered	7/20/05
-----------------------	--------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant